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CENTRAL FAX CENTER**DEC 15 2005**800.0046
A1140**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****Applicants:** Pechanek et al.**Serial No.:** 10/004,010**Filed:** November 1, 2001**For:** METHODS AND APPARATUS FOR EFFICIENT COMPLEX LONG
MULTIPLICATION AND COVARIANCE MATRIX IMPLEMENTATION**Group:** 2193**Examiner:** Do, Chat C

Durham, North Carolina
December 15, 2005Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**CERTIFICATION OF FACSIMILE TRANSMISSION****Sirs:**

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax. No. 571-273-8300 on the date set forth below.

1. Amendment Transmittal (2 pages)
2. Amendment (11 pages)

Marianna Tortorelli
Printed name of person signingMarianna Tortorelli
Signature

Date: December 15, 2005

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Serial No.: 10/004,010

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For: METHODS AND APPARATUS FOR EFFICIENT COMPLEX LONG
MULTIPLICATION AND COVARIANCE MATRIX IMPLEMENTATION

Group: 2193

Examiner: Do, Chat C

Durham, North Carolina
December 15, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Amendment Transmittal

Sir:

1. Transmitted herewith is an Amendment for the above-identified application, responsive to an Office Action dated September 21, 2005.

FEE FOR CLAIMS AS AMENDED

2. ☒ No additional fee is required.
☐ The additional fee has been calculated as shown below:

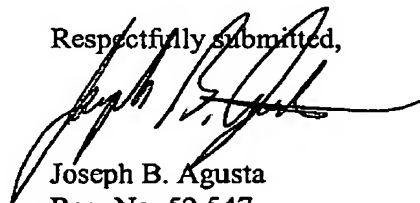
DEC 15 2005

CLAIMS AS AMENDED

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate		Additional Fee
Total Claims	15	-	41	0	x \$50.00	=	0.00
Independent Claims	4	-	8	0	x \$200.00	=	0.00
Multiple Dependent Claims		-			x \$360.00	=	
TOTAL							\$ 0.00

3. ☐ Enclosed is our check for \$ _____ to cover the filing fee.
- ☐ Charge the fee of \$ _____ to Law Offices of Peter H. Priest **Deposit Account No. 50-1058.**
- ☐ Charge the fee of \$ _____ for a 1 month extension of time to Law Offices of Peter H. Priest **Deposit Account No. 50-1058.** This letter petitions for a 1 month extension of time to respond.
4. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required for this amendment, including any fee for extension of time or credit any overpayment to Law Offices of Peter H. Priest **Deposit Account No. 50-1058.**

Respectfully submitted,



Joseph B. Agusta
Reg. No. 52,547
Priest & Goldstein, PLLC
5015 Southpark Drive, Suite 230
Durham, NC 27713-7736
(919) 806-1600

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Durham, North Carolina
December 15, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Amendment

Sir:

In response to the Official Action of September 21, 2005, please amend the above
identified application as follows: